

BODY FORCE ALARMING APPARATUS AND METHOD

Abstract

The present invention relates generally to force detection in limbs, and more specifically to a device and method to provide feedback to a runner or jogger so that the person can judge whether to adjust his or her stride in order to lessen the impact on his or her body. The apparatus includes a body force alarming apparatus comprising a housing, a power supply, a piezo sensor, a controller, and an output generator, wherein said piezo sensor is accommodated within a user's shoe and connected to said controller, wherein said piezo sensor, controller and said output generator are connected to said power supply, wherein said controller, output generator and power supply are accommodated within said housing, wherein said controller is connected to said output generator, wherein said controller is set to generate a signal to the output generator when a threshold level of force signal is received from said piezo sensor, wherein said sensor signals said controller when force from an impact is applied to said piezo sensor, wherein said controller signals said output generator

when one or more signals indicating threshold levels of force have been reached, and wherein said output generator generates a perceivable signal in response to a signal from said controller.